

MUSEUM SERVICE

Bulletin of the
Rochester Museum of Arts and Sciences

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National Symposium



UNDERSTANDING SCIENCE IN THE SPACE AGE



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Chartered by the University of the State of New York

Rochester Museum Association is a sponsoring group of leading citizens who feel that a museum of science, nature and history has a distinct place in our community and is worthy of their moral and financial support. It is entitled to hold property and to receive and disburse funds.

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Cover Picture . . .

Most significant in the Museum's observance of its half-century mark in growth and development was the one-day National Symposium "Understanding Science in the Space Age," which was held on September 26 and coincided with the 108th anniversary of the birth of Edward Bausch, museum benefactor.

The top picture shows the panel on industry in action: Dr. John N. Shive, director of education and training at Bell Telephone Laboratories; Dr. John C. R. Kelly of Westinghouse Laboratories; Dr. John C. Fisher of General Electric Company; and the chairman, Dr. Cyril J. Staud, vice-president in charge of research of Eastman Kodak Company. In the center picture Dr. Nisson A. Finkelstein, chairman of the steering committee and vice-president in research and engineering of General Dynamics/Electronics, coordinates the program with Dr. M. Graham Netting, director of Carnegie Museum; Gerard Piel, publisher of *The Scientific American*; and George R. Williams, president of the Rochester Museum Association. In the first row of the auditorium scene, from the left, are the panel chairmen ready to give their summation: Donald J. Dunham on Mass Media; James M. Brown, III on Museum; Dr. McCrea Hazlett on Education and Dr. Staud on Industry.

Photographs by James Laragy of the Rochester Times-Union and William G. Frank

MUSEUM FELLOWS—A RESOURCE OF SCIENCE

Museums are unique as institutions of learning and education because they base their strength on the original object whether it be the natural production of the earth—a rock, a fossil or a plant specimen—or whether it be the creation of hand and mind of man as evidenced in a great pictorial canvas or a high-power microscope. For this reason museums are places which guard the spirit of research and scholarship.

It was appropriate, therefore, on the occasion of the recent national symposium on "Understanding Science in the Space Age" that one of the speakers, Dr. M. Graham Netting, should stress the importance of research and the unusual opportunities museums offer not only to masses of people but even to the individual child who may have a burning question to ask. It was heartening, too, to hear him say that children, even in the larger museums, still have the chance to take their problems directly to the curator, whereas in so many other places of learning there can exist a wide gap between the student and the fount of knowledge as represented in the teacher or professor.

We are proud of the fact that at the Rochester Museum of Arts and Sciences our curators form a resource of scientific knowledge and information of benefit to the community. We are also fortunate to possess an additional resource in the body of Museum Fellows, distinguished professional and lay scholars and scientists who have been honored by the Museum. After their election, they frequently serve as advisors and unofficial staff. At the present time, there are 126 living Fellows, approximately half of them in the Rochester area and the remainder in many States, and even in foreign countries. Seventeen of them are women. These people were selected by the associated boards and by the staff. In fact, names of Fellows can be nominated by anyone in the community. Candidates for Museum Fellow are chosen from the broad fields of the Museum's interests which encompass among others anthropology, biology, history, industrial arts, photography, education and museology. These are either persons nationally eminent in their specialties or they may be residents of our locality, amateurs or professionals, who are outstanding but may not be widely known. It is not necessary that their task be performed directly for the Museum. However, a unique feature of the award is the fact that among those honored it is planned to include self-trained or non-professional workers who have made a fine contribution. As a rule, such amateurs would not ordinarily receive academic honors.

This year, as in most years since 1939, a group of six candidates for Fellow have been selected by the Joint Committee of the Board of Museum Commissioners and the Trustees of the Rochester Museum Association. We look forward to honoring them at the Twenty-fourth Annual Convocation to be held on the evening of November 14. From that date forward they will constitute an intangible and spirit resource.

W. STEPHEN THOMAS, *Director*

Harriet Hollister Spencer, 1887-1962

Harriet Hollister Spencer, Fellow of the Rochester Museum of Arts and Sciences, contributed to many lives and projects in Rochester. Of these, the most interesting, beautiful and fragrant is the Museum's "Garden of Fragrance." This garden of over 100 living herbs and over 100 varieties of ancient roses is one of Mrs. Spencer's most lasting contributions to her fellow Rochesterians.

The idea for such a Museum garden came to us in April 1952 when Mrs. Spencer started off our Museum course on garden herbs with an inspiring talk on "Herbs From a Tudor Garden." After the Museum Association acquired an additional 6.4 acres of land for the Museum, there was space enough to plant a public garden. Naturally, we turned to the recognized authority on growing herbs in northern New York State—Mrs. Thomas G. Spencer.

Good friend that she was, Mrs. Spencer designed a garden for us which displays herbs in eight categories—seven more than the Culinary Herbs of which the R. T. French Company make us so pleasantly aware. As a regional authority on old roses, she showed us the value of including a hedge comprising a collection of very fragrant old roses so that our garden would include a history of the development of the rose.

Most people would have stopped with the excellent garden design with which she presented us, but not Mrs. Spencer. Aware that one of the growers who had long defended and popularized the sturdy old roses had just died, she sent to his firm to see if it could supply our needs. As a consequence, Bobbink and Atkins made us a present of some 220 rose bushes in memory of Lambertus C. Bobbink. Mrs. Spencer herself supplied the ever-blooming China and Bourbon roses. She also supplied us with over 100 varieties of herbs, a series of metal arches on either side of the garden and a pergola at the end. The arches are draped with twining growths of ivy that she supplied, so that our garden has a token of the cloistered look of a monastery garden.

In the ensuing years, Mrs. Spencer and her gardener, Mr. Ulrich Troutvetter, furnished many plants as they were needed and the guidance in growing herbs which was needed even more. She also supplied a pair of straw skep beehives and some quaint pots to hold a dozen flowering herbs.

Other Rochesterians will remember Mrs. Spencer as a lovely and interesting neighbor, as a longtime member and president of the Nursing School Board and of the Board of Supervisors of the Genesee Hospital. To others she was a voice of wisdom during the war, giving advice on producing successful victory gardens. However, over the years this versatile lady was a consultant to museums on the subjects of old glass, silver and lace, the history of roses. She was the local adviser on the use of decorative vines and, of course, she was the authority on herbs and herb gardens.

Mrs. Spencer's own gardens included not only a beautiful vista of contemporary flowers but a beautifully conceived and maintained Tudor Knot Garden in which grew her traditional herbs and old roses—all enclosed in a boxwood hedge. Everyone who visited this garden, whether on a garden tour or as an individual, remembered this as a highlight of his or her garden experiences.

The Museum's Garden of Fragrance is really a garden of remembrance—of the good neighbor who designed it.

—EDWARD T. BOARDMAN, *Assistant Director*

First National Symposium, Sept. 26, 1962

Address of Welcome by George R. Williams,
President, Rochester Museum Association

IT IS A PLEASURE to welcome all of you to this happy and significant occasion. I am glad to say that, in addition to school teachers, research scientists and professors, there are as well in our audience a number of housewives, students, businessmen, office workers, industrialists, and others of our varied Rochester public. We have visitors from several states and Canada.

We have chosen this first national symposium on "Understanding Science in the Space Age," as a time of celebration and dedication. The celebration is the 50th Anniversary of the founding of our Museum and also the 108th birthday of our good friend, Edward Bausch. For our second 50 years, we dedicate ourselves to an ever increasing usefulness to our community through the broadening of our scientific horizons. We hope that our symposium today will produce some guideposts for our future.

The Rochester Museum of Arts and Sciences had rather humble beginnings in an old building in Edgerton Park, where it was housed with the Rochester Historical Society and a branch of the Rochester Public Library. For its first twelve years, the Museum was a heterogeneous collection of history, anthropology, and assorted items, including firearms and coins. In 1924, Dr. Arthur C. Parker came as museum director. Dr. Parker took over a small and impoverished Municipal Museum and shaped its growth into a model community museum for the world devoted to the anthropology, biology, culture history, and industrial arts of western New York. For seventeen years he and his staff used the inadequate first building as an experimental laboratory for museum techniques. The Museum increased its scope of usefulness, added important services to the schools and to hobby clubs, and affected the lives of thousands of citizens.

In February, 1940, the late Edward Bausch generously donated the land and money to build a model Museum. The present building, Bausch Hall of Science and History, opened in 1942, has been a model of its type for community museums. Many delegations of architects, museum directors and trustees, have come from all over the world to study its facilities, as well as its program of service. The director and members of the staff have been called upon as consultants in this country and abroad.

As we begin our 51st year, we look forward to a new science center designed to give the significant achievements of the past decade the broadest possible appeal and interpretation. This new science center will incorporate a planetarium with accompanying exhibits, a building devoted to industrial and scientific developments of our western New York community, and an auditorium building which would be available for scientific meetings and educational lectures. This is an ambitious program—but let me say that we have already acquired the necessary land and the plans for construction are well

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Understanding Science in the Space Age

By Nisson A. Finkelstein, *Chairman, Steering Committee*

ON SEPTEMBER 26, the Rochester Museum of Arts and Sciences celebrated its Fiftieth Anniversary. The Museum has contributed fifty years of good service manifested in many ways to the Rochester community and surrounding areas. It was felt, however, that this anniversary should be marked by more than a recounting of past activities, past accomplishments, past glories. It should look forward to a greater contribution by the Museum in the future to the community and to the nation.

It was in this manner that the concept arose of a symposium treating some major problem of broad interest. We chose to look at the problem of "Understanding Science in the Space Age." Our plan was to attack this problem not in terms of science education or in terms of understanding science and technology from a restricted technical point of view, but rather to discuss science relative to its broad impact on the lives of all of us, our society, our economics, and our politics. It would be presumptuous indeed to anticipate a "solution" to such a diffuse and all-encompassing problem, but it was our hope that this symposium might lend some insights into the nature of the problem and possibly point to areas deserving of further study and discussion.

The format of the symposium included four panels in the afternoon on the contribution of mass media to understanding science, the contribution of education, the contribution of industry and the contribution of museums. A distinguished group of chairmen and participants were invited to fill these panels. The panel on mass media was chaired by Mr. Donald J. Dunham, president-elect, National Association of Science Writers. Participating along with Mr. Dunham were Mr. Watson Davis of *Science Service*; Mr. Gerard Piel of *The Scientific American*; and Miss Mildred Spencer of the *Buffalo Evening News*. The panel on the museum was chaired by Dr. James M. Brown, III, director of Corning Glass Center. Participating along with Dr. Brown were Dr. James A. Oliver of the American Museum of Natural History; Mr. D. M. MacMaster of the Museum of Science and Industry; and Dr. M. Graham Netting of the Carnegie Museum. The panel on education was chaired by Dr. McCrea Hazlett, Provost, University of Rochester. Participating along with Dr. Hazlett were Dr. Robert L. Springer, superintendent of Rochester Schools; Rev. Joseph B. Dorsey of St. John Fisher College; and Prof. Philip Morrison of Cornell University. The panel on industry was chaired by Dr. Cyril J. Staud, vice-president in charge of research, Eastman Kodak Company. Participating along with Dr. Staud were Dr. John C. Fisher of General Electric Company; Dr. John C. R. Kelly of Westinghouse Laboratories; and Dr. John N. Shive of Bell Telephone Laboratories. In each of these panels, discussion from the floor was invited toward the end and some lively interchanges took place.

DR. NISSON A. FINKELSTEIN, vice-president for research and engineering at General Dynamics/Electronics.

During the evening, brief summations were presented by each of the panel chairmen concerning the discussions in their respective panels and these were followed by addresses given by Dr. M. Graham Netting, director of Carnegie Museum, Pittsburgh, Pennsylvania, and Mr. Gerard Piel, Publisher, *The Scientific American*.

Our ambitions for the symposium were modest: To spotlight an area of great concern to all citizens of this country and, for that matter, to all of western civilization; to stimulate discussion; to develop insight. It was our further hope that this one-day gathering might lead to an expanded use of the museum as an educational tool of great strength and diversity.

There is a great investment in facilities and people and knowledge in the Rochester Museum as in all museums. While the financial analysts keep us aware of the capital investment in facilities, the much greater investment in ideas and in people defies balance sheet analysis. This investment can be effectively exploited by all of us in developing the minds and the spirits of all our residents, young and old.

All too many of us look upon the Museum as a place to take school classes on tour and our own children on a rainy weekend afternoon. While the Museum is one of the oldest educational institutions in the world, we have much to do to bring its full impact to bear on the educational needs of our society. To accomplish this is an opportunity and responsibility. Those of us who worked in preparing the Fiftieth Anniversary symposium hope that it served to manifest some of the opportunities. We are confident that the community will rise to accept the responsibilities that go with them. This could lead to a second fifty years more brilliant than the first.

First National Symposium

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along. With the generous support of our citizens we hope the dream will materialize.

The Rochester Museum Association, which co-sponsors the event of the symposium, is indebted to the sixteen industries of Rochester which have so generously provided the funds for this symposium. We are honored to have the principal executive officers of these firms here this evening. We wish, also, to acknowledge the untiring efforts of the Steering Committee which has labored for many months under the able guidance of Dr. Nisson A. Finkelstein, vice-president for research and engineering at General Dynamics/Electronics.

Fifty Years of Anthropology

By Charles F. Hayes, III, *Associate Curator of Anthropology*

WHEN ONE ATTEMPTS to assess and consolidate data on the history and significance of anthropology at the Rochester Museum of Arts and Sciences, one is impressed by the variety of projects and the number of basic contributions to science and museology. The continuum of events is a reflection of some of the changes in thinking concerning the objectives of anthropological research by both professionals and non-professionals. This is particularly true in the case of archeology.

The first curators of the Museum, Robert T. Webster (1912-1913) and Edward D. Putnam (1913-1924), initiated an era of amassing the basic collections for the newly established organization in Edgerton Park. Anthropology was still in its growing stage in North America, yet these men had the foresight to contact and interest, for example, the Hudson's Bay Co. and local collectors such as Alvin Dewey, who loaned 10,000 archeological specimens to the Museum in 1923. Later this collection was purchased. In addition, Mr. Putnam and Dr. Arthur C. Parker, then State Archeologist, made frequent trips to the nearby Indian reservations to purchase items characteristic of the fast disappearing Iroquois culture. In 1916 the Lewis Henry Morgan Chapter of the New York State Archeological Association was formed with Alvin Dewey as the first president. The members of this group have in the last forty-six years contributed immeasurably in time and artifacts to the basic collections. Today the New York State Archeological Association has nine Chapters and over 400 members from Buffalo to Long Island. Many of the archeological reports published as *Researches and Transactions of the New York State Archeological Association* have involved work done by members of the Rochester Museum staff.

Dr. Parker was appointed director of the Museum in 1924 after the sudden death of Edward Putnam. Dr. Parker's familiarity with the goals and problems of the institution during its early days enabled him to soon implement many significant projects within the Museum as a whole and within the Anthropology Division. From 1924-1935 among notable occurrences were the acquisition of the Mark R. Harrington southwestern ethnological material, Harrison Follette's 5,000 specimens from the Lamoka Lake site, and a collection of world-wide ethnological items from the 1892 World's Fair. This was also the period when, under Dr. Parker's guidance, William A. Ritchie was beginning to develop the archeological chronology for New York State.

The Indian Arts and Crafts project was one of Dr. Parker's lasting contributions to the Museum's collections. Hundreds of Iroquois items were made from 1935-1941 by Indian artists of the Tonawanda and Cattaraugus Reservations with funds provided by the Temporary Emergency Relief Administration. This collection has for several years been under the care of Arleigh M. Hill, associate in Indian Arts, himself a member of the Turtle Clan of the Seneca Nation.



An Owasco site at St. Helena, Wyoming County, New York, 1934

In areas outside immediate Museum activity, Dr. Parker continued his interests in the Pennsylvania Archeological Survey, Society for Protection of Indian Welfare, Neighborhood Indian Society, and the erection of historical markers by the New York State Department of Archives and History.

The success of Dr. Parker and Dr. Ritchie in making anthropology an integral part of the new museum building, opened in 1942 on East Avenue, is today to be seen in the Hall of Man on the second floor. With the aid of artist-preparators, such as Jon Alexander, who is responsible for the present dioramas, the display of anthropological items followed a carefully devised plan. This plan demonstrates the change in display techniques from mere voluminous objects in a case to selected objects carefully interpreted as to function and related to the dioramas. When Dr. Parker retired in 1946 the overall responsibility for continuation of the basic plan fell to the new director, Mr. W. Stephen Thomas. Since then Mr. Thomas has been very successful in working with the curators, artist-preparators, and cabinet shop personnel in order to make the Hall of Man airy, uncluttered and streamlined.

The contributions of Dr. William A. Ritchie, now State Archeologist, to the archeology of New York and the Northeast are the basis upon which lies much of the archeological reputation of the institution. Becoming active in the Museum in 1924, he steadily pursued field research and publication of his findings until 1949 when he left for Albany and his present position.

During Dr. Ritchie's tenure, his investigations enabled him to publish, in 1944, a synthesis of pre-Iroquoian New York archeology based upon personal excavations at nearly 100 sites. Material from such sites in New York as Lamoka Lake, Geneva, Brewerton, and Frontenac Island gave archeologists the first indication that an Archaic Period existed in New York over 5,000 years ago and lasted about 2,500 years. Further excavations at Brewerton, Jack's Reef, and Point Peninsula resulted in the definition of the subsequent Early Woodland Period commencing at approximately 1,000 B.C. The New York Hopewellian culture, as exemplified by the mounds dug by Dr. Ritchie in the Genesee Valley, is well represented in the collections at the Museum.

Besides elucidating the nature of these early cultures of New York, Dr. Ritchie also contributed important information on the Late Woodland cul-

tures, including those of the early Historic Period. Excavations at such sites as Castle Creek, Sackett, Carpenter Brook, and Levanna gave meaning and depth to what is now called the Owasco culture. Finally, Dr. Ritchie dug several Iroquoian sites, including Green Lake, Dutch Hollow, and Alhart. Today, he continues as State Archeologist to expand his investigations of all phases of New York prehistory based upon his initial work at the Rochester Museum of Arts and Sciences. Nearly seventy major publications attest to his work. It was during Dr. Ritchie's fieldwork that several young men, such as Charles F. Wray, F.R.M., and John Bailey, learned field and laboratory techniques and went on to make significant contributions to archeology.

Finally Dr. Ritchie's interest in physical anthropology resulted in research by both the Museum and local physicians on paleo-pathology. Today the Museum is fortunate to still have contacts with this rather unique field largely through Mr. William S. Cornwell, Research Fellow and editor of Eastman Kodak's *Medical Radiography and Photography*.

In 1949, Dr. Alfred K. Guthe succeeded Dr. Ritchie as head of the division. For the next eleven years continued exhibit and research work was done. Among the notable dioramas completed under his guidance were the Iroquoian Village, League of the Iroquois, Northwest Coast Haida Village, and the very successful traveling exhibit consisting of six panels on Human Evolution. Field research by Dr. Guthe included excavations in southwestern New York, which were the basis for his Ph.D. thesis, later published by both the Museum and the New York State Archeological Association. Other excavations were conducted at mounds in Pennsylvania and Geneseo, N.Y., at the Morrow site near Honeoye Lake where Point Peninsula and Owasco remains were found, and at many Prehistoric Iroquois sites in and around the Bristol Hills south of Rochester. Dr. Marian White, then junior anthropologist and now of the Buffalo Museum of Science and the University of Buffalo, aided in many of these investigations during 1957-1958.

Through exhibits and personal contacts Dr. Guthe impressed upon the nonprofessional the value of prompt and proper archeological reporting. Consequently, many valuable finds were brought to the Museum by a large number of acquaintances. His overall grasp of museum principles and methods certainly was a factor in his being appointed director of the new Frank H. McClung Museum at the University of Tennessee in 1961.

Upon the resignation of Dr. Guthe, the author, junior anthropologist since February 1959, became acting head of the division until August of 1961 when he assumed his present title, associate curator of anthropology. In July of 1962, Miss Rachel Bonney was appointed junior anthropologist. Since the author became head of the division there has been a concentrated effort to complete many of the plans and projects started under Dr. Guthe. Among these are the near completion of the cataloguing of large collections of recently acquired specimens, the transfer of the archeological specimens to easily accessible storage cabinets, trays and boxes, and a continuation of the research activities on the Prehistoric Iroquois of the Bristol Hills area of New York.

19th Century
Hawaiian Neck Yoke



Ethnological specimen acquired in 1938 to add to world-wide collections.

What of future plans? It is felt that the responsibility of the Anthropology Division lies equally between research and exhibits. In many ways the latter is an outgrowth of the former. Whether the research be of a library nature on existing specimens or original field research, it is imperative that the information be made available to other scholars and to the public that supports the Museum's activities. Specifically, future plans call for a consolidation of the data on the Prehistoric Iroquois sites in the Genesee area in collaboration with members of the Lewis Henry Morgan Chapter and library research on existing ethnological and archeological specimens. The latter project is necessary in order to update and upgrade the exhibits of material from outside New York. In the last fifty years the Rochester Museum of Arts and Sciences has certainly fulfilled its stated purpose of an institution DEDICATED TO A BETTER UNDERSTANDING OF THE LAWS OF NATURE AND THE CULTURAL ACHIEVEMENTS OF MANKIND. As one of the Museum divisions responsible for the success of the above declaration, the Anthropology Division certainly faces a challenge in the future in order to properly maintain this standard in light of greatly accelerated anthropological and other scientific research throughout the world.

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Fifty Years of Community Service

By Mable S. Smith, Editor and Public Relations

ON SUNDAY AFTERNOON, October 14, the Museum celebrated this important event with a program of many parts. After a welcome by Director W. Stephen Thomas, Mrs. F. Hawley Ward, Museum Commissioner, opened the 50th year celebration with the theme "What the Museum Means to Me." This was followed with talks by Mr. Carleton Burke, Fellow of Rochester Museum and Honorary Curator of Photography, and Mr. Fred T. Hall, director of the Buffalo Museum of Science.

The Director read brief tributes which were received from Mrs. Jane Holton desGrange, director of the Suffolk Museum in Stoney Brook, Long Island and a childhood participant in the Museums "Treasure Chest" pantomime plays; Mrs. Vera Achen Jewett, who was associated with the Museum for 23 years as artist and responsible for a wide variety of exhibit work; Mr. Ernest T. Luhde, director of the Stamford Museum and Nature Center in Stamford, Connecticut, who started his career in the Museum; Mrs. Annie Olmstead Peet, who was appointed assistant in education and was responsible for organizing an extension division in 1930; Miss Janet R. MacFarlane, director of the Albany Institute of History and Art, who served the Museum in public relations and later as assistant in history from 1934 to 1942; Miss Marion R. Peake, who resigned after twenty-six years of service in directing the work of the school service division; Mr. Edwin H. Reiber, artist and Fellow of Rochester Museum, who was chief preparator in 1929; Dr. William A. Ritchie, former curator of anthropology and, since 1949, New York State Archeologist, most distinguished scientist in the field of Northeast American archeology; Mr. Landis Shaw Smith, retired engineer, Fellow of Rochester Museum, and past president of the Rochester Museum Hobby Council; and Mr. Charles F. Wray, Research Fellow of Rochester Museum who has been associated as volunteer, staff member, and officer of Lewis Henry Morgan Chapter of the N. Y. S. A. A.

A color slide presentation by Director Thomas gave glimpses of the Museum's past as well as its future in serving the community.

Certificates of Merit were awarded for continuous service in various divisions of the Museum to the following faithful volunteers: Mrs. Philip S. Bernstein, Mrs. Walter Clark, Mr. Walter W. Clark, Mrs. George O. Everett, Mrs. Newton H. Green, Mrs. Henry E. Keutmann, Mrs. Allen Macomber, Mrs. Edward Macomber, Mrs. Edward B. McCauley, Mrs. James Reed, Mrs. Seymour Reichlin, Mrs. William Swift, Mrs. Edward H. Townsend, Jr.

The grand finale was the opening of the exhibition "The Museum's Fifty Years of Community Service" prepared by Mrs. Gladys Reid Holton in the Hall of Culture History on the third floor. This exhibition will continue on view for the next several months.

A gracious touch was added by members of the Women's Council of the Rochester Museum Association who served as hostesses.

What the Museum Means to Me

Remarks at the Golden Anniversary Program, October 14, 1962

By Carleton Burke, F.R.M., Honorary Curator of Photography

WHENEVER I THINK BACK to the days in which I first encountered the gifts and spirit of the Rochester Museum of Arts and Sciences, I am reminded more and more how much I owe to it for the development of *my* arts, *my* sciences and *my* contributive life. In the early Museum, my photography began to shape itself into something the world could use, and people could be a bit happier for; my research in music, literature and history became objective; my writing more wholesomely intelligible; my philosophy one of contribution and not the achievement of wealth or laurels.

In the early Museum, I found a great teacher, friend and benefactor. Through him I made many lasting friendships in and outside the Museum walls. Those walls had doors and windows, that opened upon a city, a country, a people, a public whose recognition and trust I regard more than fame.

Many times when the world looked dark and utterly useless to live in or for, I had but to return to the Museum in the spirit if not in flesh and find there a light, burning from all the energies of the Past, shining upon the Present, and pointing like a candle flame to the Future. This is the light of the universe, and it includes the great light of man, his works and his dreams.

I was allowed, through Museum connections, to become intimately acquainted with the Indian Arts Program, to make visits to the reservations and transcribe some Seneca Iroquoian legends and music. This led to the Museum publication of my book, "Symphony Iroquoian." All the while the Museum used my pictures and writings in the "Museum Service" bulletin, which made my writing objective, tempered by responsibility and trust to the public. Meanwhile, I increased my knowledge of the arts and sciences of man. In my last article in "Museum Service," I was in truth able to write:

Our teachers give us wells to dig knowing the water is there.

And now from the pronoun I to the pronoun You.

You have established an institution here in this good city more worthy of public appreciation than any stadium or concert hall. Through 50 years of community service you have given the man in the street, the boy and girl in school, the young man and woman in college, the business man, the artist, the dreamer, the builder, the philosopher:

To see the world in a grain of sand,
And heaven in a wild flower;
Hold infinity in the palm of your hand,
And eternity in an hour.

—William Blake

You have been far-sighted over years of growth and change, and used the Present wisely for development in the Future. There can be no doubt that when we are gone, you will continue to inspire and educate toward greater contributions and achievements the people of this expanding community and, in some measure, the peoples of the world.

Special Events - - -

CAGE BIRD SHOW — ROCHESTER CAGE BIRD CLUB

Saturday, November 3 — 9 a.m. to 5 p.m.

Sunday, November 4 — 2 p.m. to 5 p.m.

24th ANNUAL MUSEUM CONVOCATION

Convocation Awards and Reception

Wednesday, November 14 — 8:15 p.m.

50th Anniversary Address — COSMIC EVOLUTION

Dr. Harlow Shapley, Director Emeritus of the Harvard Observatory

Illustrated Lectures - - -

LECTURE-DEMONSTRATION — WORLDS OF SCIENCE SERIES

Wednesday, November 7, 8:15 p.m.

SCIENCE IS FUN: Popular Experiments in Physics and Chemistry

Gilbert E. Merrill

Youth Programs

LECTURE-DEMONSTRATION — Treasure Chest of Science for Youth

Saturday, November 10, 10:30 a.m.

OUR WILD ANIMAL FRIENDS — Earl Woodard

FILM-LECTURE — Audubon Screen Tour

Saturday, November 24, 10:30 a.m.

ANIMALS AT HOME — Robert C. Hermes

SPECIAL EXHIBITIONS

Mezzanine — MUSICAL INSTRUMENTS OF FOREIGN COUNTRIES.

On exhibit November 5 - December 5

Library — IVORY CARVINGS FROM JAPAN — From the collection presented to the Museum
by the late Mr. and Mrs. Otto R. Rohr. *On exhibit through November*

2nd Floor — FIFTY YEARS OF ANTHROPOLOGY — The story of research, publication and
exhibition of the Division of Anthropology.

On exhibit November 9 - January 6, 1963

HUMMINGBIRDS — Life-size color photographs by Crawford Greenewalt.
From the Smithsonian Institution Traveling Exhibition Service.

On exhibit November 4 - 25

HUMAN EVOLUTION — Series of six panels.

3rd Floor — THE MUSEUM'S FIFTY YEARS OF COMMUNITY SERVICE — Featuring collections,
researches, exhibits and educational programs — 1912-1962.

PRESSED or PATTERN GLASS — In vogue in America from 1840 to 1900.

EYE GLASS COLLECTION — Dating from 1700 - 1950.

1962 — NOVEMBER — CALENDAR

- 1 Thursday Rochester Academy of Science—Mineral—8 p.m.
Rochester Dahlia Society—8 p.m.
- 2 Friday Rochester Academy of Science—Astronomy—8 p.m.
Rochester Amateur Radio Ass'n—8 p.m.
- 3 Saturday **CAGE BIRD SHOW 9 A.M. to 5 P.M.—Sponsored by the Rochester Cage Bird Club**
- 4 Sunday **FILM PROGRAM 2:30 AND 3:30 P.M. — PEOPLE OF THE WATERS (Thailand), PEOPLE OF BUDDHA (Customs of the ancient kingdom of Thailand), SPIDERS CAGE BIRD SHOW — 2 P.M. TO 5 P.M. — Sponsored by the Rochester Cage Bird Club**
- 6 Tuesday Rochester Rose Society—8 p.m. Rochester Opportune Club—8 p.m.
- 7 Wednesday **WORLDS OF SCIENCE ADULT LECTURE SERIES 8:15 P.M. — Gilbert E. Merrill— SCIENCE IS FUN: Popular Experiments in Physics and Chemistry. Sponsored by the Rochester Museum Association**
Genesee Cat Fanciers Club—8 p.m.
- 8 Thursday Jr. Philatelic Club—7 to 9 p.m. Rochester Philatelic Ass'n—8 p.m.
- 9 Friday Burroughs Audubon Nature Club—8 p.m.
Morgan Chapter, N.Y.S.A.A.—8 p.m.
Rochester Amateur Radio Code Class—8 p.m.
- 10 Saturday **TREASURE CHEST OF SCIENCE 10:30 A.M. — YOUTH PROGRAM — OUR WILD ANIMAL FRIENDS — Earl J. Woodard**
- 11 Sunday **FILM PROGRAM 2:30 AND 3:30 P.M. — FORT TICONDEROGA, SECRETS OF ICE**
- 13 Tuesday Rochester Hobby Council—8 p.m. Rochester Numismatic Ass'n—8 p.m.
Rochester Academy of Science—Botany—8 p.m.
- 14 Wednesday **24TH ANNUAL MUSEUM CONVOCATION 8:15 P.M.—AWARDS AND RECEPTION 50th Anniversary Address: Harlow Shapley — COSMIC EVOLUTION**
Rochester Academy of Science—Ornithology—8 p.m.
- 15 Thursday Genesee Valley Quilt Club—10:30 a.m. Rochester Bonsai Society—8 p.m.
Genesee Valley Gladiolas Society—8 p.m.
- 16 Friday Genesee Valley Antique Car Society—8 p.m. Jr. Numismatic Club—8 p.m.
Rochester Amateur Radio Code Class—8 p.m.
- 18 Sunday **FILM PROGRAM 2:30 AND 3:30 P.M. — MUSIC OF WILLIAMSBURG, HAMLET'S CASTLE**
- 20 Tuesday Optical Society of America—8 p.m. Rochester Button Club—1 p.m.
- 21 Wednesday Rochester Print Club—8 p.m.
- 22 Thursday **THANKSGIVING DAY — MUSEUM CLOSED**
- 23 Friday Burroughs Audubon Nature Club—8 p.m. Rochester Archers—8 p.m.
Rochester Amateur Radio Code Class—8 p.m.
- 24 Saturday **AUDUBON SCREEN TOUR 10:30 A.M. — ANIMALS AT HOME—Robert C. Hermes YOUTH LECTURE SERIES — Sponsored by the Rochester Museum Association**
- 25 Sunday **FILM PROGRAM 2:30 AND 3:30 P.M.—PLYMOUTH COLONY: (The First Year), OUR NEAREST STAR**
- 27 Tuesday Rochester Antiquarian League—8 p.m.
Rochester Numismatic Ass'n—8 p.m.
- 28 Wednesday Upper N.Y.S. Branch, National Chinchilla Breeders—8 p.m.
Men's Garden Club—8 p.m.

—All bookings subject to change and substitution without notice.

24th Annual
Museum Convocation

AWARDS AND RECEPTION

Wednesday, November 14, 8:15 p.m.

50th Anniversary Address

COSMIC EVOLUTION

Dr. Harlow Shapley, Director Emeritus
of the Harvard Observatory